

Input Set : A:\HAR001DV.txt
Output Set: N:\CRF3\05042000\H991628A.raw

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3 <110> APPLICANT: STROMINGER, Jack L
4 WUCHERPFENNIG, Kai
6 <120> TITLE OF INVENTION: IDENTIFICATION OF SELF AND NON-SELF ANTIGENS IMPLICATED
7 IN AUTOIMMUNE DISEASE
9 <130> FILE REFERENCE: HAR-001DV
11 <140> CURRENT APPLICATION NUMBER: 08/991,628A
12 <141> CURRENT FILING DATE: 1997-11-05
14 <150> PRIOR APPLICATION NUMBER: USSN 08/400,796
15 <151> PRIOR FILING DATE: 1995-03-07
17 <160> NUMBER OF SEQ ID NOS: 21
19 <170> SOFTWARE: PatentIn Ver. 2.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 15
23 <212> TYPE: PRT
24 <213> ORGANISM: Homo sapiens
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28 1 5 10 15
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 15
33 <212> TYPE: PRT
34 <213> ORGANISM: Homo sapiens
36 <400> SEQUENCE: 2
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41 <210> SEQ ID NO: 3
42 <211> LENGTH: 15
43 <212> TYPE: PRT
44 <213> ORGANISM: Homo sapiens
46 <400> SEQUENCE: 3
47 Leu Asn Ser Lys Ile Ala Phe Lys Ile Val Ser Gln Glu Pro Ala
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51 <210> SEQ ID NO: 4
52 <211> LENGTH: 15
53 <212> TYPE: PRT
54 <213> ORGANISM: Homo sapiens
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61 <210> SEQ ID NO: 5
62 <211> LENGTH: 15
63 <212> TYPE: PRT
64 <213> ORGANISM: Homo sapiens
66 <400> SEQUENCE: 5
67 Cys Glu Cys Asn Ile Lys Val Lys Asp Val Asn Asp Asn Phe Pro
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71 <210> SEQ ID NO: 6

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RAW SEQUENCE LISTING DATE: 05/04/2000
 PATENT APPLICATION: US/08/991,628A TIME: 06:23:58

Input Set : A:\HAR001DV.txt
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72 <211> LENGTH: 15
73 <212> TYPE: PRT
74 <213> ORGANISM: Homo sapiens
76 <400> SEQUENCE: 6
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81 <210> SEQ ID NO: 7
82 <211> LENGTH: 15
83 <212> TYPE: PRT
84 <213> ORGANISM: Homo sapiens
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92 <211> LENGTH: 15
93 <212> TYPE: PRT
94 <213> ORGANISM: Herpes simplex
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102 <211> LENGTH: 15
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123 <212> TYPE: PRT
124 <213> ORGANISM: Human Papillomavirus type 7
126 <400> SEQUENCE: 11
127 Ile Gly Gly Arg Val His Phe Phe Lys Asp Ile Ser Pro Ile Ala
128 1 5 10 15
131 <210> SEQ ID NO: 12
132 <211> LENGTH: 15
133 <212> TYPE: PRT
134 <213> ORGANISM: Epstein-Barr virus
136 <400> SEQUENCE: 12
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138 1 5 10 15
141 <210> SEQ ID NO: 13

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Input Set : A:\HAR001DV.txt
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OK W--> 208 Xaa His Xaa Xaa Lys
 209 1 5
 212 <210> SEQ ID NO: 18
 213 <211> LENGTH: 6
 214 <212> TYPE: PRT
 215 <213> ORGANISM: Artificial Sequence
 217 <220> FEATURE:
 218 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid
 219 sequence motif
 221 <220> FEATURE:
 222 <221> NAME/KEY: VARIANT
 223 <222> LOCATION: (1)
 224 <223> OTHER INFORMATION: Xaa at position 1 is either Val, Leu, Ile, Ala, or
 225 Met
 227 <220> FEATURE:
 228 <221> NAME/KEY: VARIANT
 229 <222> LOCATION: (2)
 230 <223> OTHER INFORMATION: Xaa at position 2 is either Val, Leu, Ile, Ala, or
 231 Met
 233 <220> FEATURE:
 234 <221> NAME/KEY: VARIANT
 235 <222> LOCATION: (3)
 236 <223> OTHER INFORMATION: Xaa at position 3 is either His, Asn, Gln, or Phe
 238 <220> FEATURE:
 239 <221> NAME/KEY: VARIANT
 240 <222> LOCATION: (5)
 241 <223> OTHER INFORMATION: Xaa at position 5 is either Phe, Tyr, Trp, Val,
 242 Leu, Ile, Ala, or Met
 244 <220> FEATURE:
 245 <221> NAME/KEY: VARIANT
 246 <222> LOCATION: (6)
 247 <223> OTHER INFORMATION: Xaa at position 6 is either Lys or Arg
 249 <400> SEQUENCE: 18
 OK W--> 250 Xaa Xaa Xaa Phe Xaa Xaa
 251 1 5
 254 <210> SEQ ID NO: 19
 255 <211> LENGTH: 5
 256 <212> TYPE: PRT
 257 <213> ORGANISM: Artificial Sequence
 259 <220> FEATURE:
 260 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid
 261 sequence motif
 263 <220> FEATURE:
 264 <221> NAME/KEY: VARIANT
 265 <222> LOCATION: (1)
 266 <223> OTHER INFORMATION: Xaa at position 1 is either Phe, Tyr, Trp, Val,
 267 Leu, Ile, Ala, or Met
 269 <220> FEATURE:
 270 <221> NAME/KEY: VARIANT

VERIFICATION SUMMARY

DATE: 05/04/2000

PATENT APPLICATION: US/08/991,628A

TIME: 06:23:59

Input Set : A:\HAR001DV.txt

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L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21



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